

## JAMES EDWIN HAWLEY

Professor Hawley has devoted 40 years to the science of geology, and 34 of them to teaching at Queen's University. Those of us who have been so fortunate as to study under him, and the additional host of his friends and colleagues in the science, are delighted that this testimonial volume has been prepared.

In Canada, where mining plays such an important role, Professor Hawley has been one of our leading consultant geologists. His contributions in this field are largely confidential but, in spite of giving so much time to private work, his bibliography of published research includes more than 60 titles. Subjects range from his early study, now a classic, of the development of oil by the application of shearing stress (1929) to the most complete exposition yet published on the mineralogy and origin of the Sudbury nickel ores (1962). Undoubtedly the Sudbury study will be the definitive work on these famous ores for many years to come. For studies such as these, he has been elected to Fellowship in numerous scientific societies, has served as an officer of many of them, and has received several awards for his contributions to geology and mineralogy, including the Miller Medal of the Royal Society of Canada.

In addition to his scientific contributions, Professor Hawley's organizing and executive abilities have been put to good use in stimulating geological research in Canada. Largely as a result of his efforts, the National Advisory Committee on Research in the Geological Sciences was formed in 1949. The increase in geological research in Canada over the past 10 years and in financial support for the many more projects now under way, testify to the success of this Committee. Besides his important contribution to the work of the National Advisory Committee he has been associated in similar capacities with such groups as the Ontario Research Foundation, Royal Society of Canada, and the Canadian Institute of Mining and Metallurgy.

It seems to me, however, that it is as an inspiring teacher, an ability rare among gifted men, that Professor Hawley has made his greatest contribution. He gives his best to the student and insists on the best in return. One of his primary concerns is to teach the student how to use data in textbooks and scientific papers, and especially to be critical of such data and its interpretation.

It was my good fortune to have been one of his students, and it is an honour to have been asked to write the preface to this volume which I do in the certain knowledge that all his former students, and colleagues,

will fully endorse all that I have said. I expect that, of the many honours and awards Professor Hawley has received, this testimonial volume will please him most because it reflects the personal as well as the scientific esteem we all hold for him. We hope too it will be a challenge to produce even more stimulating and provocative papers. We wish him the best of success!

J. M. HARRISON.

Ottawa, February 6, 1963

### PRINCIPAL PUBLICATIONS OF J. E. HAWLEY

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